

CLAIMS

1. (Amended) A control apparatus of an internal combustion engine comprising:

5 a combustion control unit which controls combustion of the engine at a time of stopping the engine;

 an inertia energy control unit which controls inertia energy of the engine to be in a predetermined state at a predetermined timing; and

10 a stop control unit which stops the engine at a predetermined crank angle position by utilizing the inertia energy.

2. The control apparatus of the internal combustion engine according to claim 1, wherein the inertia energy control unit
15 controls a number of engine revolution of the engine to be within a range of a predetermined number of engine revolution.

3. The control apparatus of the internal combustion engine according to claim 2, wherein the inertia energy control unit
20 controls the inertia energy by a motor for driving the engine.

4. The control apparatus of the internal combustion engine according to claim 3, wherein the combustion control unit starts the combustion of the engine while driving by the motor is continued,
25 when a starting request occurs in the engine in a condition that the number of engine revolution is controlled to be within the predetermined number of engine revolution by the motor.

5. The control apparatus of the internal combustion engine according to claim 1, wherein the stop control unit stops the
30 engine at the predetermined crank angle position by adding control force to the engine by the motor for driving the engine.